

## ABSTRACT

The present invention is directed to the identification of genes that are expressed at a higher level in certain TNF & IFN treated cells than in otherwise identical untreated cells. Genes that are expressed at a higher level in TNF & IFN treated cells than untreated cells ("TNF & IFN stimulated genes") are of interest, in part, because TNF & IFN can or could influence a wide range of cellular processes and responses for antiviral activity. The identified TNF & IFN stimulated genes and the proteins they encode can be used: 1) as therapeutic agents which modulate a cellular process or response that is influenced by TNF & IFN ; 2) as targets for use in high throughput screening and the development of therapeutic agents which modulate a cellular process or response that is influenced by TNF & IFN ; and 3) as markers which can be used to detect and monitor a cellular process or response that is influenced by TNF & IFN .